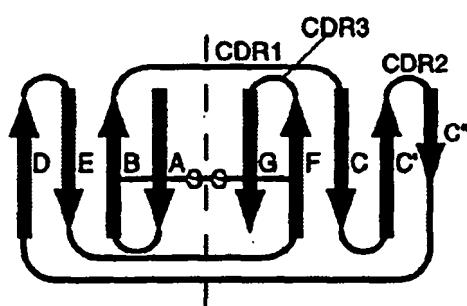




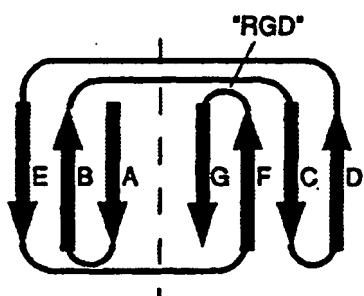
6673901

FIG. 1A



Immunoglobulin VH

FIG. 1B



Fibronectin type III

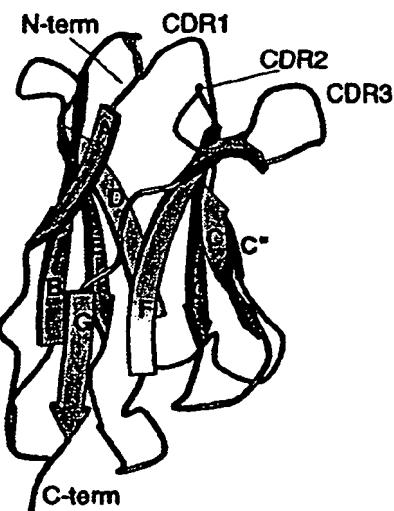


FIG. 1C

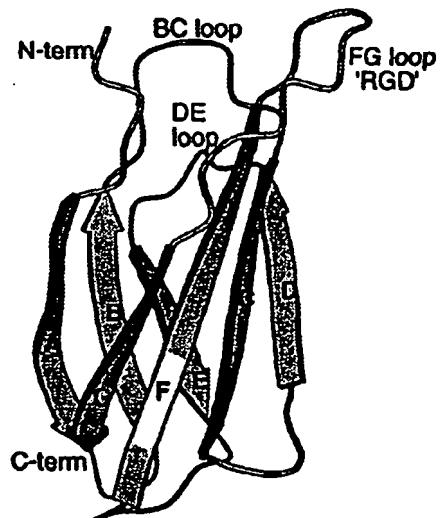
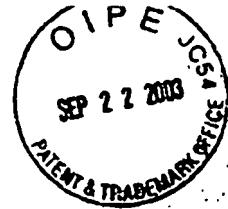


FIG. 1D



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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NdeI 1 11 21 31 41 EcoRI
mq VSDVPRDLEV VAATPTSLLI SWDAPAVTVR YYRITYGETG GNSPVQEFTV
A B C D

51 61 71 81 91 XbaI
PGSKSTATIS GLKPGVDYTL TVYAVTGRGD SPASSKPISI NYRT
E F G

FIG. 2



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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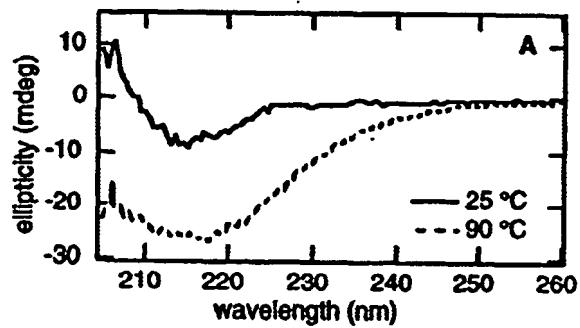


FIG. 3A

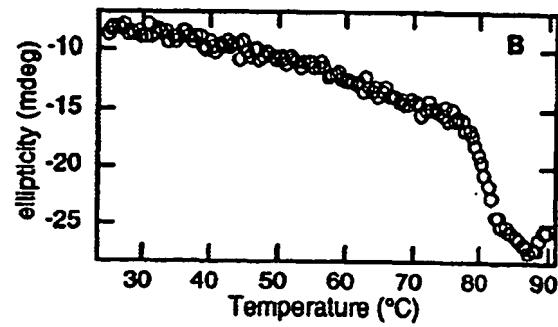


FIG. 3B

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INVENTORS NAME: Shohei Koide
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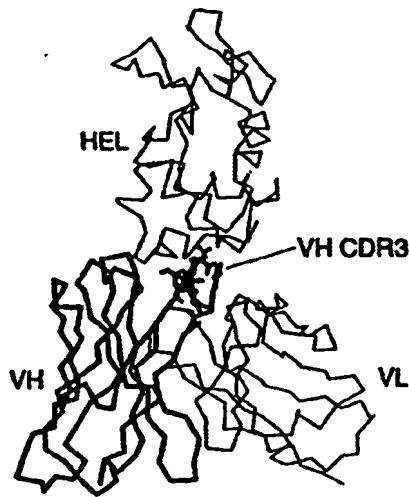


FIG. 4A

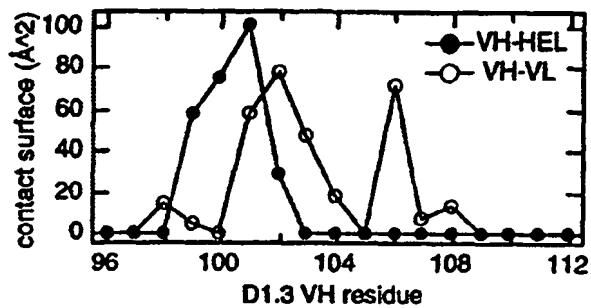


FIG. 4B

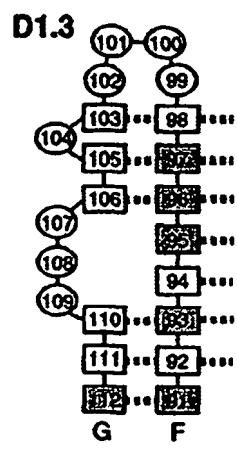


FIG. 4C

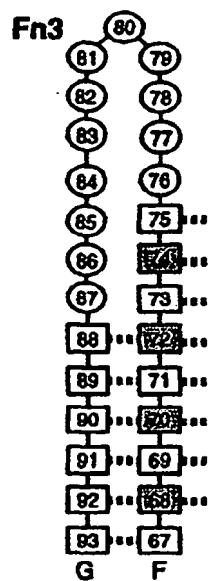


FIG. 4D



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
 INVENTORS NAME: Shohei Koide
 SERIAL NO.: 09/096,749

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NdeI

CATATGCAGGTTCTGATGTTCCCGCGTACCTGGAAGTTGCTGCGACCCGACTAGC
MetGlnValSerAspValProArgAspLeuGluValValAlaAlaThrProThrSer
 -2 -1 1 10 A

BcII PvuII PstI BC loop BsiWI
 CTGCTGATCAGCTGGGATGCTCCTGCAGTTACCGTGCCTTATTACCGTATCACGTACGGT
LeuLeuIleSerTrpAspAlaProAlaValThrValArgTyrTyrArgIleThrTyrGly
 20 B 30 C

ECORI
 GAAACCGGTGGTAACCTCCCCGGTCAGGAATTCACTGTACCTGGTCCAAGTCTACTGCT
GluThrGlyGlyAsnSerProValGlnGluPheThrValProGlySerLysSerThrAla
 40 D 50 E

SalI Bst1107I
 ACCATCAGCGGCCTGAAACCGGGTGTGACTATACCATCACTGTATACGCTGTTACTGGC
ThrIleSerGlyLeuLysProGlyValAspTyrThrIleThrValTyrAlaValThrGly
 60 70 F

FG loop SacI XbaI
 CGTGGTGACAGCCCAGCGAGCTCCAAGCCAATCTGATTAACCTACCGTACCTAGTAAC
TCArgGlyAspSerProAlaSerSerLysProIleSerIleAsnTyrArgThr
 80 90 G

FIG. 5

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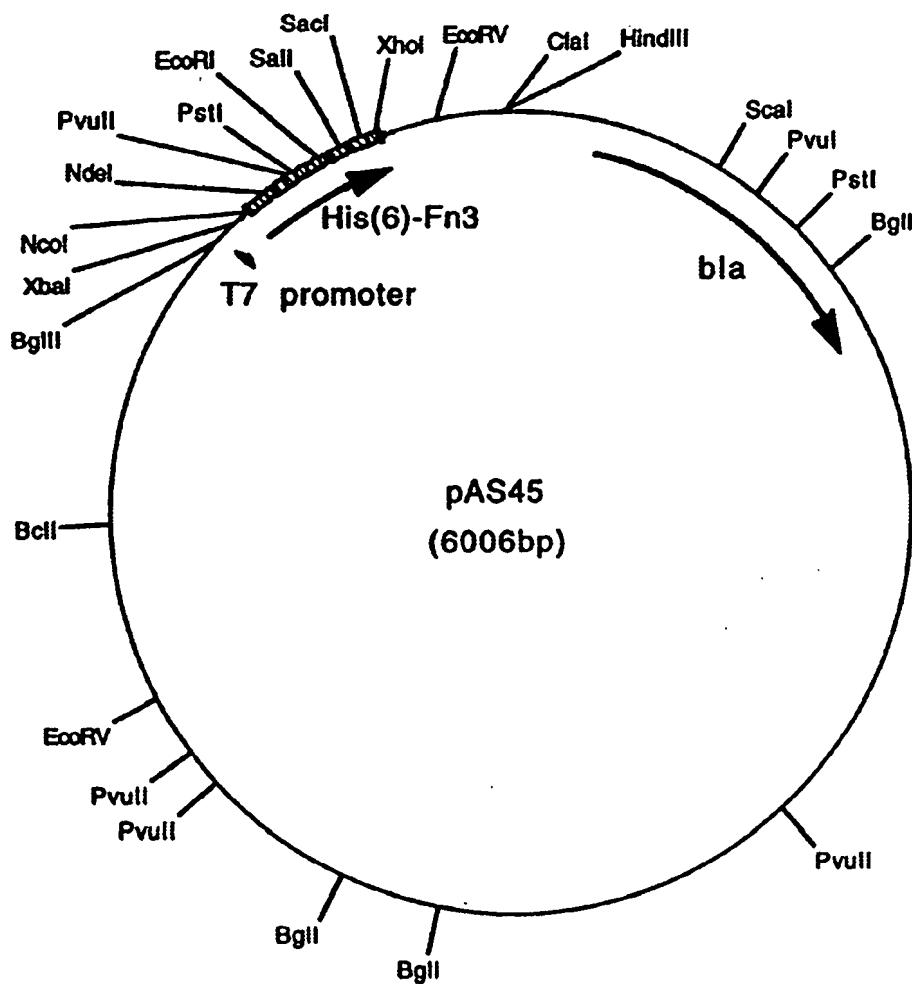


FIG. 6



ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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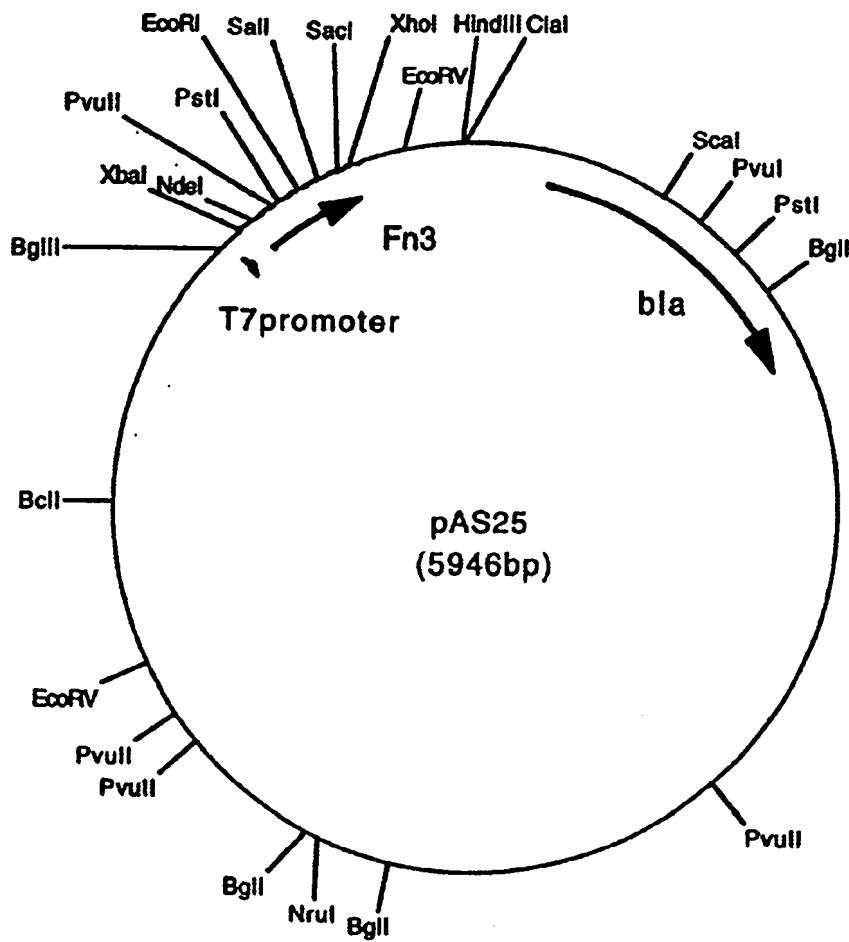


FIG. 7

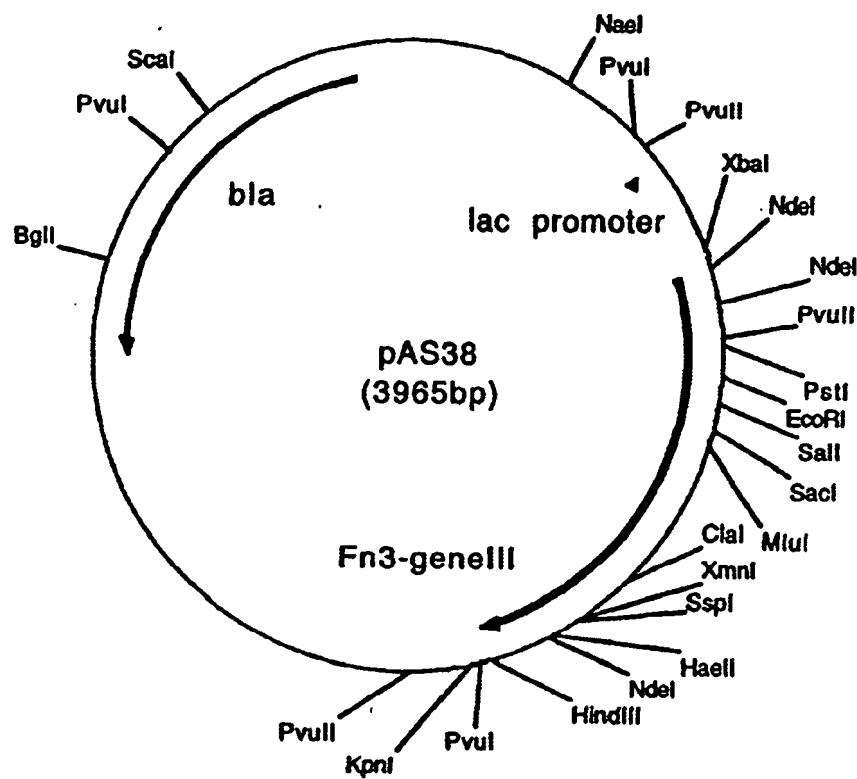


FIG. 8

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INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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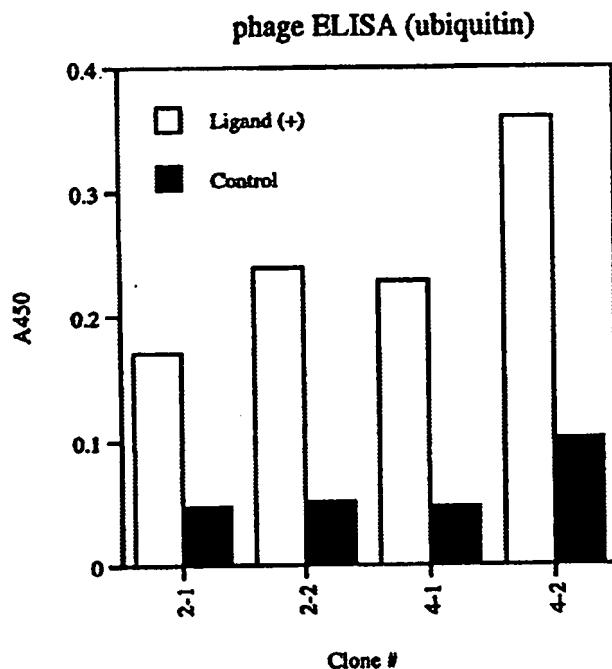


FIG. 9

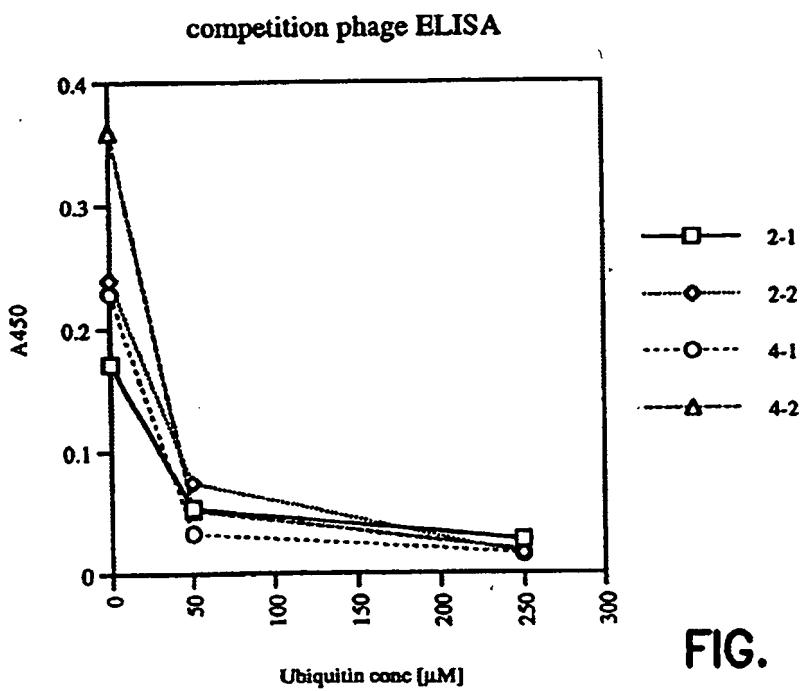


FIG. 10

ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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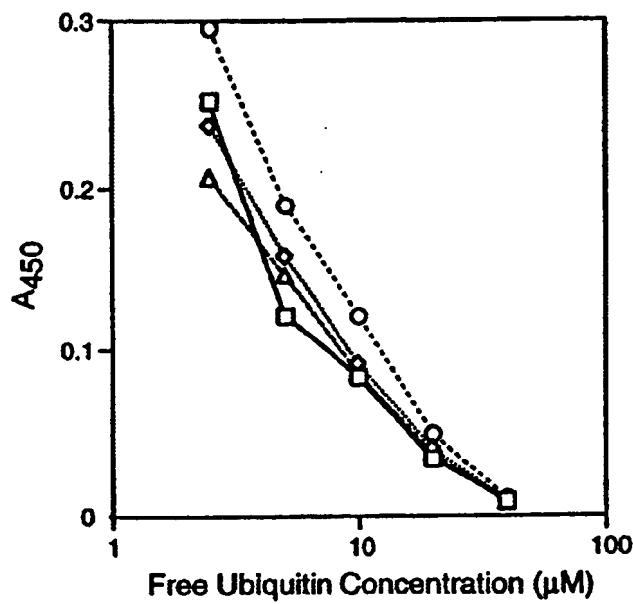


FIG. 11



TITLE: ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohi Koide
SERIAL NO.: 09/096,749

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Phagemid ELISA of
Fluorescein Binders

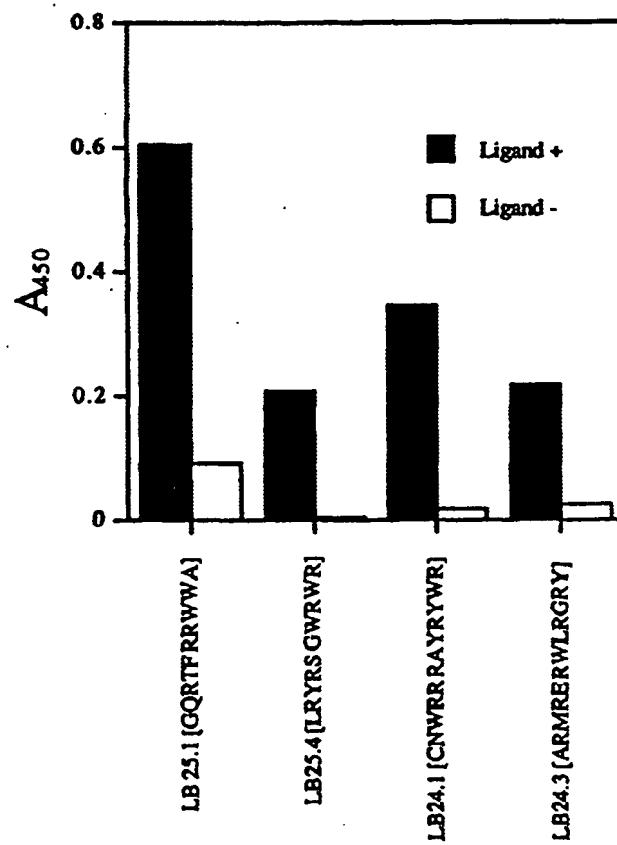


FIG. 12

O 1 C
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INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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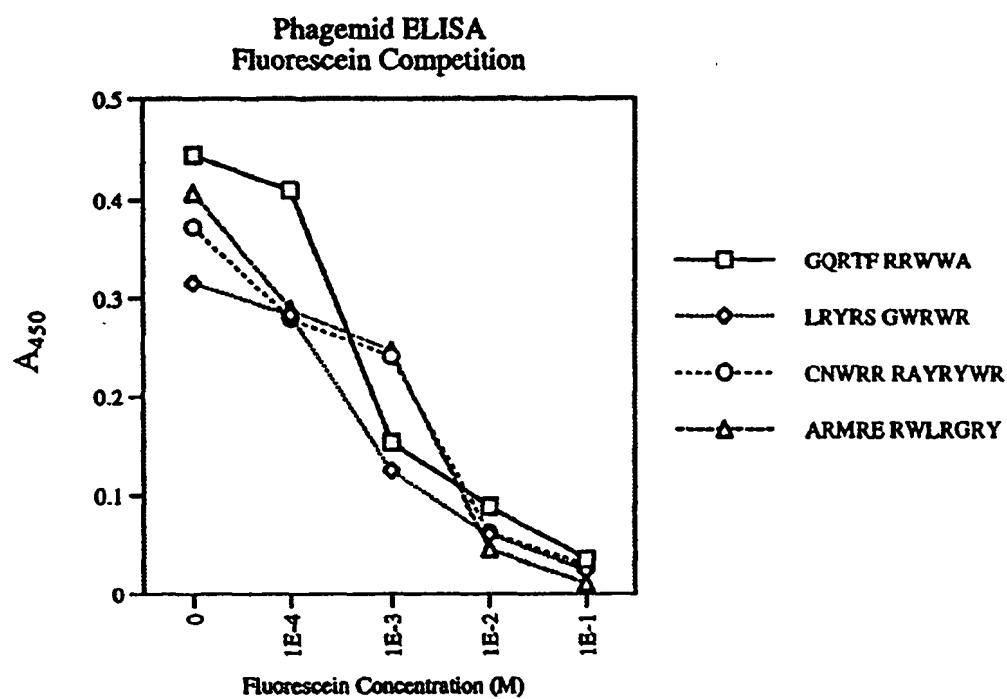


FIG. 13

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O 14 E
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ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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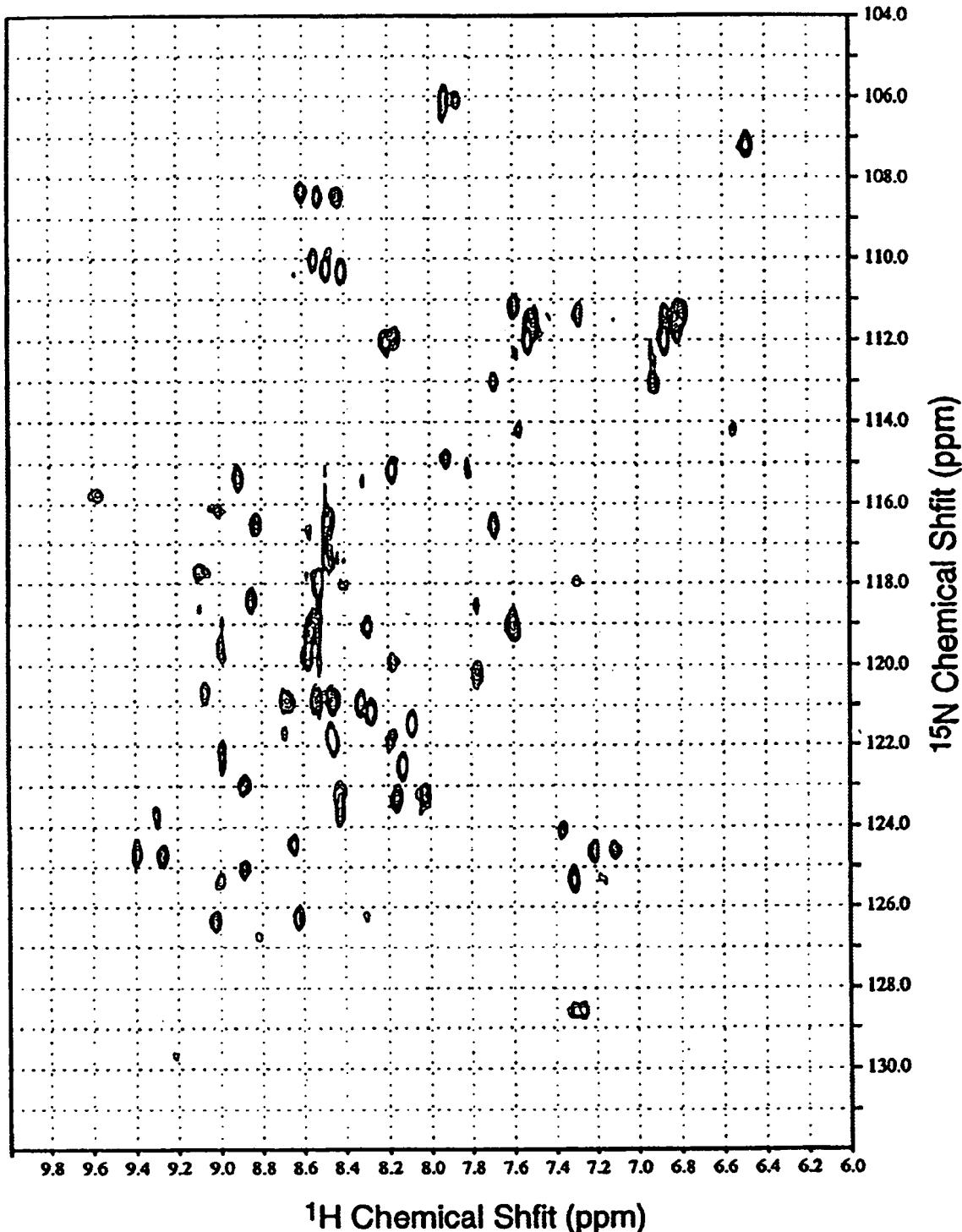


FIG. 14

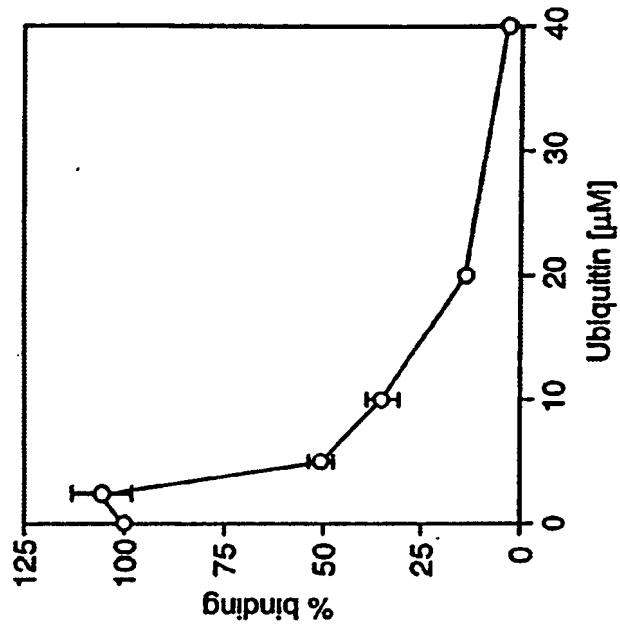


FIG. 15B

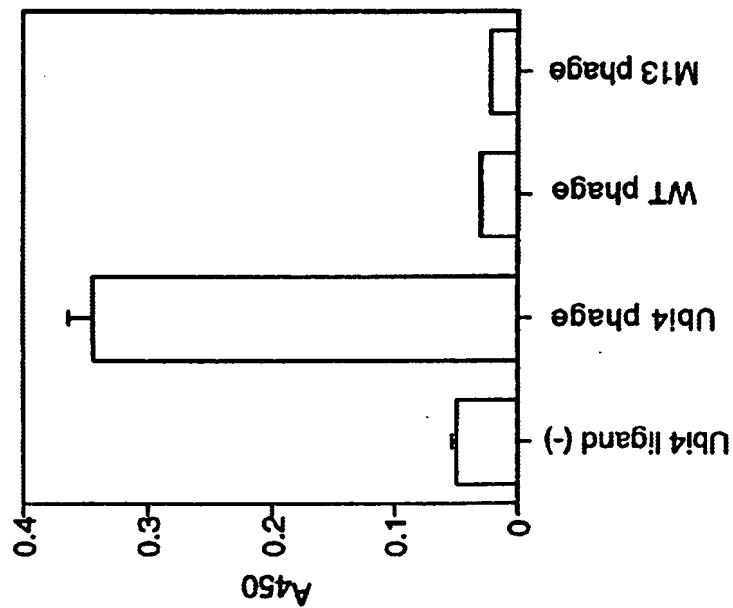


FIG. 15A

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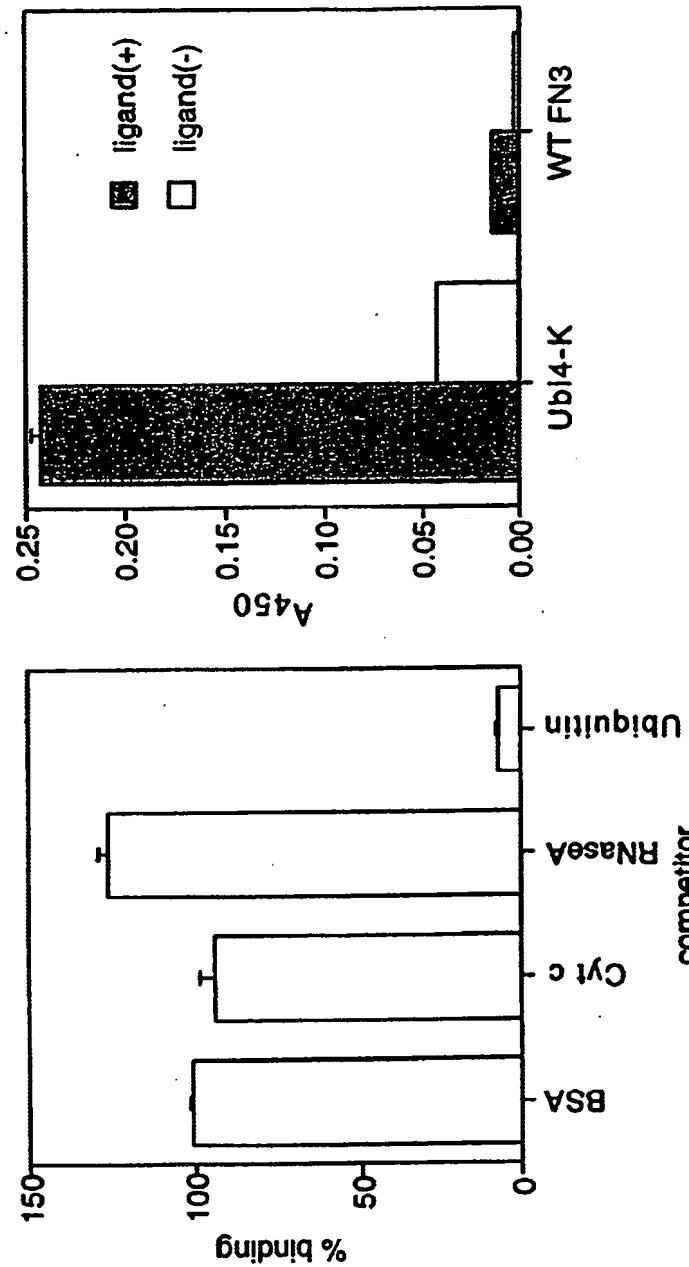


FIG. 15D

FIG. 15C

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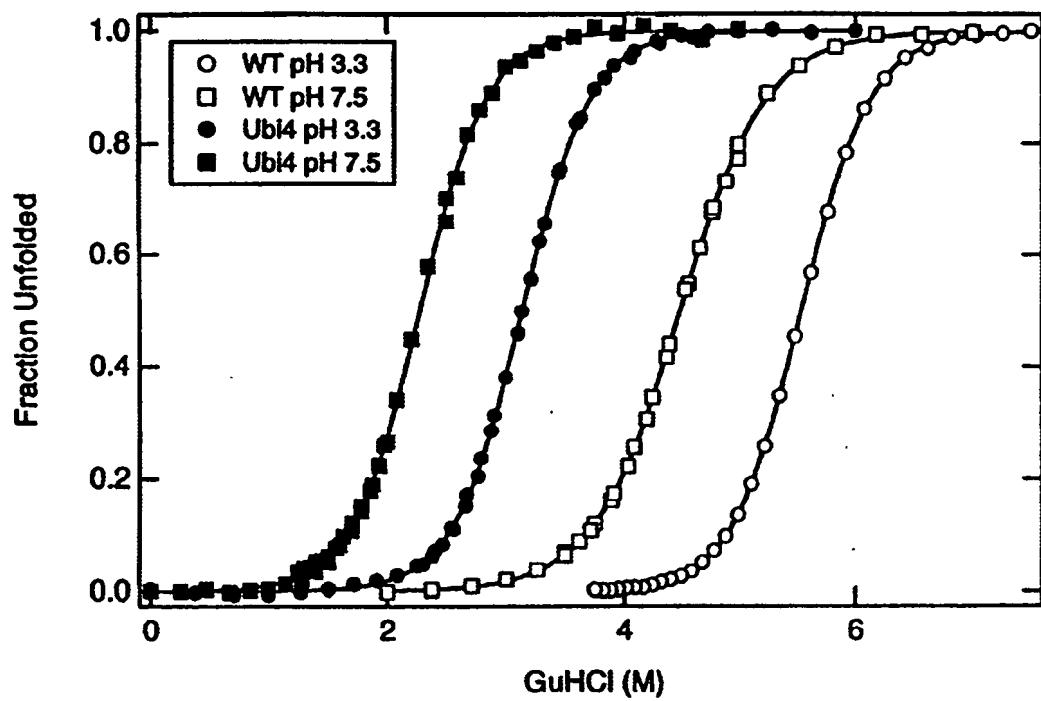


FIG. 16

ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

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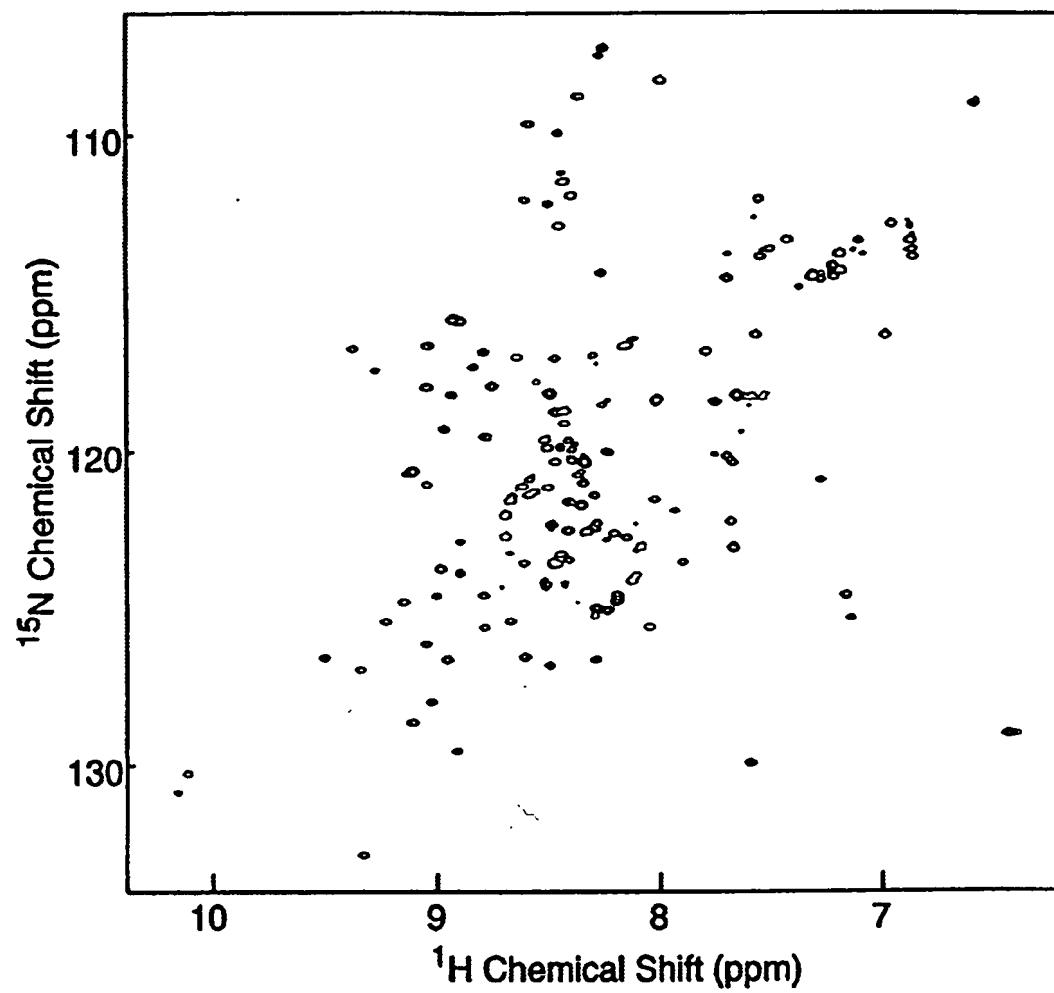


FIG. 17A

ARTIFICIAL ANTIBODY POLYPEPTIDES
INVENTORS NAME: Shohei Koide
SERIAL NO.: 09/096,749

10110
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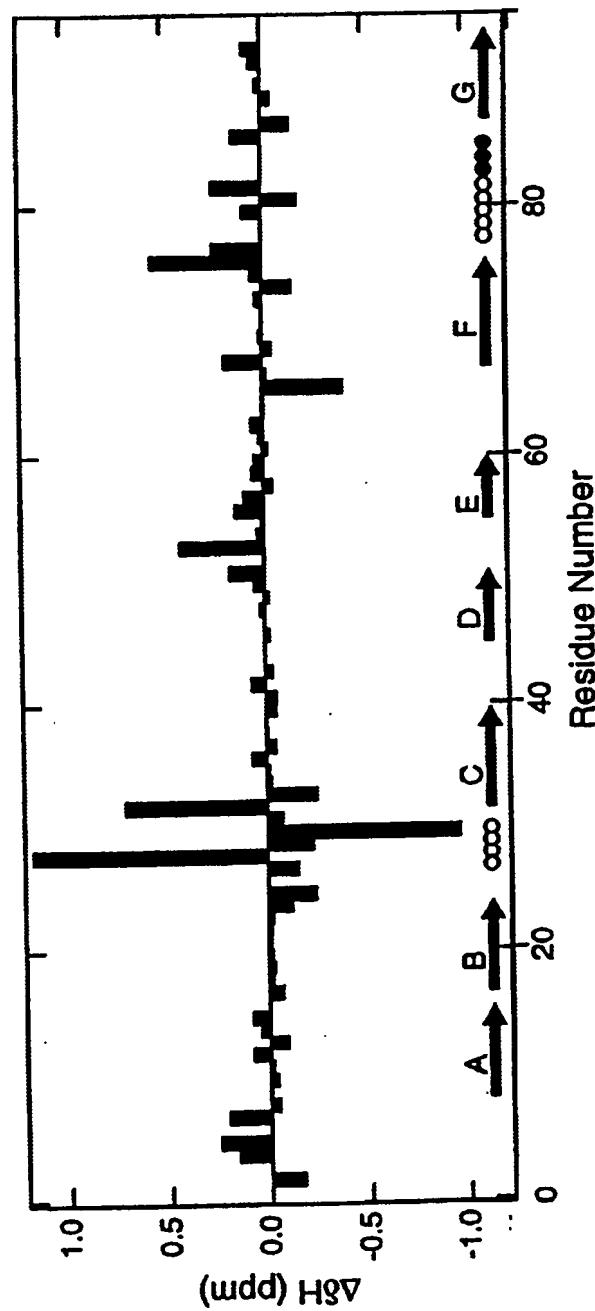


FIG. 17B

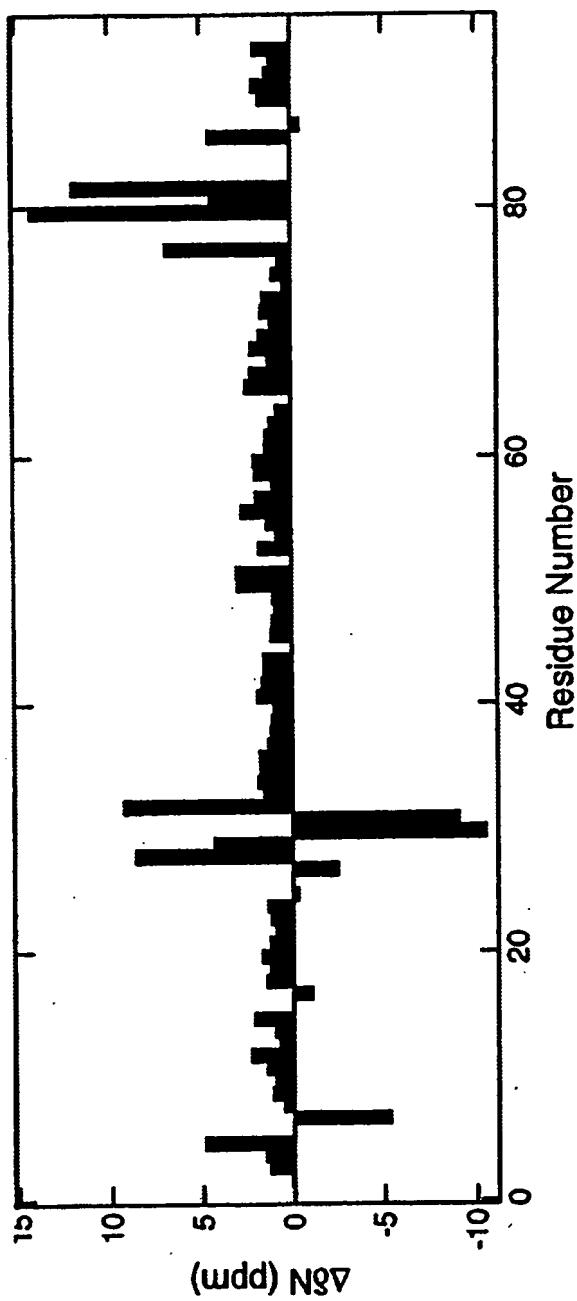


FIG. 17C